

Serial No.:10/583,069

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Amendments to the Claims

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Please rewrite claims 1-10 as indicated.

1. (Currently Amended) A compatible optical scanner, which is compatible with an optical scanner in which a bias current of ~~the~~ a laser is modulated for recording or reproduction apparatuses of optical recording media, comprising:
  - a laser modulator that at least partly or completely switches the laser current and
  - a means for simulating the input characteristic curve of ~~a~~ the laser at an input of said laser modulator.
2. (Currently Amended) The compatible optical scanner as claimed in claim 1, wherein the means for simulating the input characteristic curve of ~~a~~ the laser is a circuit arrangement that interacts with a current mirror of the optical scanner, said current mirror being provided for regulating the light power of a laser.
3. (Currently Amended) The compatible optical scanner as claimed in claim 2, wherein the current mirror of the optical scanner that is provided for regulating the light power of ~~a~~ the laser is an operational amplifier driving a field-effect transistor, the noninverting input  $\{+\}$  of which amplifier is connected to a line carrying reference-ground potential via a first resistor, the inverting input  $\{-\}$  of the operational amplifier and the source of the field-effect transistor being connected to said line via a second resistor, and the drain of the field-effect transistor is an output provided for regulating the light power of ~~a~~ the laser.
4. (Currently Amended) The compatible optical scanner as claimed in claim 1, wherein a series circuit of diodes that is connected upstream of a current mirror of the optical scanner that is provided for regulating the light power of ~~a~~ the

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laser is provided for simulating the input characteristic curve of a the laser.

5. (Currently Amended) The compatible optical scanner as claimed in claim 1, wherein a zener diode that is connected upstream of a current mirror of the optical scanner that is provided for regulating the light power of a the laser is provided for simulating the input characteristic curve of a the laser.

6. (Currently amended) The compatible optical scanner as claimed in claim 4, wherein the diodes form a series circuit of diodes arranged in the forward direction with a forward voltage corresponding to the operating voltage of a the laser.

7. (Currently Amended) The compatible optical scanner as claimed in claim 5, wherein a zener diode with a zener voltage corresponding to the operating voltage of a the laser is provided.

8. (Currently Amended) The compatible optical scanner as claimed in claim 1, wherein the means for simulating the input characteristic curve of a the laser is arranged on the optical scanner.

9. (Currently Amended) The compatible optical scanner as claimed in claim 1, wherein the means for simulating the input characteristic curve of a the laser is integrated in the laser modulator (M2).

10. (Currently Amended) Recording or reproduction apparatus for optical recording media having a an optical scanner as claimed in claim 1, wherein the means for simulating the input characteristic curve of a the laser is arranged on a main circuit board of the recording or reproduction apparatus.